## **APPENDIX K**

Suffolk County Department of Health Services Test Well Water Sampling Results February 29, 2016

## **COUNTY OF SUFFOLK**



## STEVEN BELLONE SUFFOLK COUNTY EXECUTIVE

## **DEPARTMENT OF HEALTH SERVICES**

JAMES L. TOMARKEN, MD, MPH, MBA, MSW
Commissioner

February 29, 2016

John C. Ehlers, L.S. 6 East Main St. Riverhead, NY 11901

Re:

The Orchards Subdivision Test Wells

Private Request #:

PR15-0282

Health Dept. Ref. #

S10-13-0005

Sample location:

Orchard St. and Platt Rd., S-13350T, Well #1 and S-13351T, Well #2

Tax Map #

1000-27-01-03

Sample date:

11/17/15

Dear Mr. Ehlers:

The above referenced well has been sampled and the complete water analysis is enclosed for your review. The well results have been forwarded to Mr. James McGuire in the Office of Wastewater Management. At the time of sampling, the water met NYSDOH Drinking Water Standards and SCDHS test well standards.

Please note trace concentrations of one or more Semi-Volatile organic compounds (SVOC's) and Herbicide Metabolites were detected in both test wells. These concentrations are within the MCL's established by NYSDOH for drinking water. The department's SVOC analysis looks for certain pesticides and chemicals, mostly man-made, that might possibly be found in residential or commercial wastewater. Some of these chemicals include medicines, food additives, insect repellants, plasticizers, and "inert" ingredients in other chemical formulations.

If you have any questions concerning this analysis, feel free to contact this office. Be sure to have your Private Request # available when making inquiries to this office concerning this water sample. Sincerely,

Anthony J. Condos

Public Health Sanitarian Bureau of Drinking Water

Enc. Results

c. J.T. McGuire, SCDHS OWM Steven Martocello Jeff Gregor



Requestor Name: JOHN C. EHLERS LAND SURVEYOR

Location: ORCHARD STREET, ORIENT Sample Location: S-133851T W#2

Request No.: PR15-0282 Sample Date: 11/17/2015 Sanitarian: KRAKOWSKI Field No.: 366-847-15-11-17

Treatment: NONE

Notes: '<' symbol means "less than" indicating  $\underline{no}$  detection. mg/L = milligrams per liter; ug/L = micrograms per liter. Alkalinity is reported as mg/L as CaCO3. '\*' symbol means level found exceeds the maximum contaminant level (MCL), or action level for lead and copper. Moderately restricted sodium diet should not exceed 270 mg/L. Severely restricted should not exceed 20 mg/L. The MCL for nickel is a proposed limit. Any MCL's not shown below have not been established.

Regult

	Resul	t MC	L			Resul	t MC	Τ.
==== Results for Sample Group: ALDICARB	PESTICIDA	ES analyz	ed by Su	ffolk	County Department of Health Services =====	======		=
Total Aldicarb (calc)	< 0.		ug/L		Carbaryl	0.5	50.00	ug/L
Aldicarb		3.00	ug/L		1-Naphthol <	0.5	50.00	
Aldicarb-Sulfoxide		4.00	ug/L		Methomyl <	0.5	50.00	
Aldicarb-Sulfone		2.00	ug/L		Propoxur (Baygon) <	0.5	50.00	
Carbofuran	< 0.5	40.00	ug/L		Methiocarb	0.5	50.00	-
3-Hydroxycarbofuran	< 0.5	50.00			Methiocarb sulfone	0.5		-
Oxamyl	< 0.5	50.00			THE STATE OF THE S	0.5	50.00	ug/L
Participant States and Carporates was considered to the control of			-3/ -					
==== Results for Sample Group: CHLORINA	TED PESTIC	CIDES ana	lyzed by	Suffo	lk County Department of Health Services ===			
alpha-BHC		5.00	ug/L	Dullo.	4,4-DDD			
beta-BHC		5.00	-		4,4-DDT	0.2	5.00	ug/L
gamma-BHC (Lindane)		0.20			Endrin	0.2	5.00	ug/L
delta-BHC		5.00	ug/L		Chlordane	0.01	2.00	ug/L
Heptachlor		0.40	ug/L			0.2	2.00	na/ř
Heptachlor epoxide		0.20	ug/L		Alachlor	0.2	2.00	ug/L
Aldrin					Methoxychlor	0.1	40.00	ug/L
Dieldrin		5.00	ug/L		Endosulfan II	0.2	5.00	ug/L
		50.00	ug/L		Endosulfan Sulfate <	0.2	50.00	ug/L
Endosulfan I		5.00	ug/L		1,2-dibromoethane <	0.01	0.05	ug/L
Dacthal		50.00	ug/L		1,2-dibromo-3-chloropropane	0.02	0.20	ug/L
4,4-DDE	0.2	50.00	ug/L					
==== Results for Sample Group: DACTHAL F	PESTICIDES	analyzed	d by Suff	folk Co	ounty Department of Health Services ======	=======		
Monomethyltetrachloroterephthalate	5.	50.00	ug/L		Tetrachloroterephthalic acid <	5.	50.00	ug/L
							100	~5/#
==== Results for Sample Group: DIOXANE a	nalyzed b	y Suffolk	County	Depart	ment of Health Services =========	======	======	
1,4-Dioxane	0.2	50.00	ug/L	760				
==== Results for Sample Group: HERBICIDE	METABOLI	TES analy	zed by S	Suffolk	County Department of Health Services ====	======		
Didealkylatrazine (G-28273)	0.8	50.00	ug/L		Metolachlor	0.2	50.00	110 /T
Deisopropylatrazine (G-28279)	0.2	50.00	ug/L		Tebuthiuron	0.3		-
Desethylatrazine (G-30033)		50.00	ug/L		Caffeine		50.00	ug/L
Imidacloprid		50.00	ug/L		Dinoseb	0.2	50.00	ug/L
Imidacloprid Urea		50.00	ug/L		Bisphenol A	0.3	7.00	ug/L
Alachlor OA (Oxanilic Acid)		50.00				0.2	50.00	ug/L
Alachlor ESA (Sulfonic Acid)			ug/L		Diuron	0.2	50.00	ug/L
		. 50.00	ug/L		Phenytoin (Dilantin)	0.2	50.00	ug/L
Metolachlor metabolite (CGA-37735)		50.00	ug/L		4-Hydroxyphenytoin <	0.5	50.00	ug/L
Metolachlor OA (CGA-51202)		50.00	ug/L		Diethyltoluamide (DEET) <	0.2	50.00	ug/L
Metolachlor ESA (CGA-354743)		50.00	ug/L		Acetaminophen	0.2	50.00	ug/L
Metolachlor metabolite (CGA-41638) <		50.00	ug/L		Bisphenol B <	0.2	50.00	ug/L
Metolachlor metabolite (CGA-40172) <		50.00	ug/L		Estrone <	0.2	50.00	ug/L
Metolachlor metabolite (CGA-67125) <		50.00	ug/L		17 alpha Ethynylestradiol <	0.5	50.00	ug/L
2-HydroxyAtrazine (G-34048) <		50.00	ug/L		Diethylstilbestrol <	0.5	50.00	ug/L
Malaoxon <	0.2	50.00	ug/L		17 beta Estradiol	0.5	50.00	
Trichlorfon <	0.3	50.00	ug/L		4-Androstene-3,17-dione	2.		ug/L
Siduron	0.3	50.00	ug/L		Picaridin		50.00	ug/L
Dichlorvos <		50.00	ug/L			2.	50.00	ug/L
Propamocarb hydrochloride		50.00	ug/L		Propachlor CA	0.2	50.00	ug/L
2,6-Dichlorobenzamide					Propachlor OA	0.3	5.00	ug/L
Ibuprofen		50.00	ug/L		Testosterone	0.3	50.00	ug/L
Gemfibrozil		50.00	ug/L		Equilin	0.7	50.00	ug/L
		50.00	ug/L		Estriol <	0.7	50.00	ug/L
Metalaxyl =	0.3	50.00	ug/L					
	2 2 2							
==== Results for Sample Group: METALS an	alyzed by	Suffolk	County D	Departm	ent of Health Services =========	======	======	
Lithium <	1.		ug/L		Cadmium (Cd) <	1.	5.00	ug/L
Beryllium (Be) <	0.2	4.00	ug/L		Tin <	0.5		ug/L
Aluminum (Al)=	7.		ug/L		Antimony (Sb)	0.2	6.00	ug/L
Titanium (Ti) <	1.		ug/L		Tellurium	0.5	0.00	
Vanadium (V)<			ug/L		Barium (Ba)		2000 00	ug/L
Chromium (Cr)	1.	100.00	ug/L		Mercury (Hg)	16.	2000.00	ug/L
Manganese (Mn)	0.004	0.30	mg/L			0.3	2.00	ug/L
Cobalt (Co)		0.50	15.00 TO 15		Thallium (T1)	0.2	2.00	ug/L
Nickel (Ni)		100 00	ug/L		Lead (Pb)	1.	15.00	ug/L
Copper (Cu)	0.3	100.00	ug/L		Thorium (Th)	2.		ug/L
	5.	1300.00	ug/L		Uranium <	0.5	30.00	ug/L
Zinc (Zn)	5.	5000.00	ug/L		Calcium =	11.8		mg/L
Germanium	2.5		ug/L		Iron (Fe) <	0.1	0.30	mg/L
Arsenic (As)	1.	10.00	100		<pre>Iron + Manganese (Combined, Calc) =</pre>	0.004		mg/L
Selenium (Se)	1.	50.00	ug/L		Potassium =	2.		mg/L
Strontium =	75.		ug/L		Magnesium =	3.4		mg/L
Molybdenum (Mo) <	1.		ug/L		Sodium (Na) =	8.9		mg/L
Silver (Ag) <	2.5	100.00	ug/L			WWW. 200		3, -
Pogulta for Comple Comp PEDGULOPA	7							

Perchlorate.... = 0.2 18.00 ug/L

Requestor Name: JOHN C. EHLERS LAND SURVEYOR Location: ORCHARD STREET, ORIENT Sample Location: S-133851T W#2 Treatment: NONE

Request No.: PR15-0282 Sample Date: 11/17/2015 Sanitarian: KRAKOWSKI Field No.: 366-847-15-11-17

Notes: '<' symbol means "less than" indicating no detection. mg/L = milligrams per liter; ug/L = micrograms per liter. Alkalinity is reported as mg/L as CaCO3. '\*' symbol means level found exceeds the maximum contaminant level (MCL), or action level for lead and copper. Moderately restricted sodium diet should not exceed 270 mg/L. Severely restricted should not exceed 20 mg/L. The MCL for nickel is a proposed limit. Any MCL's not shown below have not been established.

RESULTS CONTINUED FROM PRECEDING PAGE	Resul		-		Result	MC	CL.
==== Results for Sample Group: RADIOLOGI	CAL analy	zed by 9	Suffolk (	County Department of Health Services =========			
Gross alpha <	1.	15.00	pCi/L	Tritium		=====	
Gross beta=	1.6	50.00	pCi/L		200.	20000	pCi/L
==== Results for Sample Group: STANDARD	INORGANIC	S analyz	ed by Si	uffolk County Department of Health Services ======			
pH-Lab =	6.4		su su	Nitrate		======	
Specific Conductivity-Lab	152.		um/cm	Nitrate= Bromide<	0.8	10.00	mq/L
Chloride (Cl)=	15.	250.00		Orthophognhato	0.5		mg/L
Sulfate (SO4)	23.	250.00	•	Orthophosphate	0.5		mg/L
Ammonia (NH3-N)	0.5		mg/L	Fluoride	0.2	2.20	mg/L
Nitrite (NO2-N)	0.1	1.00		Alkalinity	10,		mg/L
===== Results for Sample Group: SEMI-VOLAT	TILE ORGAN	ITCS MET	שיים באר	analyzed by Suffolk County Department of Health S			
1-Methylnaphthalene	0.2	50.00	na/F	analyzed by Suffolk County Department of Health S	ervices =	=====	
2-Methylnapthalene	0.2	50.00	31 -	Bildosuffall Suffale	0.2	50.00	ug/L
Acenaphthene	0.2	50.00	J.	EPTC	0.2	50.00	
Acenaphthylene	0.2	50.00	J.	Ethofumesate.	0.2	50.00	
Acetochlor	0.2	50.00	S 700 S	Ethyl Parathion	0.2	50.00	ug/L
Alachlor	0.2	2.00	3, -	Fluoranthene	0.2	50.00	ug/L
Allethrin	0.2	50.00		Fluorene	0.2	50.00	ug/L
Anthracene	0.5	50.00	-3, -	Hexachlorobenzene.	0.1	1.00	ug/L
Atrazine	0.1	3.00	ug/L	Hexachlorocyclopentadiene	0.1	5.00	ug/L
Azoxystrobin	0.2	50.00	ug/L	Hexachloroethane	1.	5.00	ug/L
Benfluralin	0.5	50.00	ug/L	Hexazinone	1.	50.00	ug/L
Benzo (A) Anthracene	0.5	50.00	ug/L	Indeno(1,2,3-cd)Pyrene	0.2	50.00	ug/L
Benzo (B) Fluoranthene	0.2	50.00	ug/L	Iodofenphos. < Iprodione. <	0.2	50.00	ug/L
Benzo(GHI)Perylene	0.2	50.00	ug/L	Isofenphos	0.5	50.00	ug/L
Benzo(K) Fluoranthene	0.2	50.00	ug/L	Kelthane	0.5	50.00	ug/L
Benzo (A) Pyrene	0.02	0.20	ug/L	Malathion.	0.5	50.00	ug/L
Benzophenone	0.2	50.00	ug/L	Metalaxyl	0.5	50.00	ug/L
Benzyl butyl phthalate.	0.2	50.00	ug/L	Methoprene	0.7	50.00	ug/L
Bis(2-ethylhexyl)adipate	0.5	50.00	ug/L	Methoxychlor	0.2	50.00	ug/L
Bis(2-ethylhexyl)phthalate	3.	6.00	ug/L	Methyl Parathion	0.1	50.00	ug/L
Bisphenol A	0.5	50.00	ug/L	Metolachlor	0.2	50.00	ug/L
Bloc.	0.2	50.00	ug/L	Napropamide	0.2	50.00	ug/L
Bromacil	0.5	50.00	ug/L	Pendimethalin	0.2	50.00	ug/L
Butachlor	0.2	50.00	ug/L	Pentachlorobenzene	0.2	5.00	ug/L
Carbamazepine	0.5	50.00	ug/L	Pentachloronitrobenzene	0.2	50.00	ug/L
Carbazole	0.2	50.00	ug/L	Permethrin	0.2	50.00	ug/L
Carisoprodol < Chlordane <	0.5	50.00	ug/L	Phenanthrene.	0.2	50.00	ug/L
Chlorofenvinnhog	0.2	2.00	ug/L	Piperonyl butoxide	0.2	50.00	ug/L
Chlorofenvinphos. < Chlorothalonil. <	0.2	50.00	ug/L	Prometon.	0.5	50.00	ug/L
Chloroxylonol	1,	50.00	ug/L	Prometryne	0.5	50.00	ug/L
Chloroxylenol. < Chlorpyriphos. <	0.2	50.00	ug/L	Propachlor	0.2	50.00	ug/L
Chrysene	0.2	50.00	ug/L	Propiconazole (Tilt)	0.2		ug/L
Cyfluthrin	0.2	50.00	ug/L	Pyrene	0.2		ug/L
Cypermethrin	0.2	50.00	ug/L	Resmethrin	0.5		ug/L
Dacthal	0.5	50.00	ug/L	Ronstar	0.2		ug/L
Deltamethrin	0.2	50.00	ug/L	Simazine	0.07		ug/L
Dibenzo(A, H) Anthracene.	0.5	50.00	ug/L	Sumithrin	2000		ug/L
Dibutyl Phthalate	0.2		ug/L	Tebuthiuron			ug/L
Dichlobenil	1.		ug/L	Terbacil			ug/L
Dichlorvos	0.2		ug/L	Triadimeton			ug/L
Dieldrin	0.5		ug/L	Triclosan			ug/L
Diethyl phthalate	0.2		ug/L	Triffuralin			ug/L
Diethyltolyamido (DERM)	1.	50.00	ug/L	Vinclozolin			ug/L
Diethyltoluamide (DEET)	0.2	50.00	ug/L	Total Triazines + Metabolites (Calc) <			ug/L
Directly Phthalate	0.2		ug/L	Etofenprox	0.		ug/L
Dioctyl Phthalate	0.2		ug/L	Etofenprox alpha-CO			ug/L
Disulfoton sulfone	0.5		ug/L	Prallethrin			ug/L
	0.2	50.00	ug/L		0.2	50.00 ı	ug/L
===== Results for Sample Group, SUBEACHANDS							

Requestor Name: JOHN C. EHLERS LAND SURVEYOR

Location: ORCHARD STREET, ORIENT Sample Location: S-133851T W#2

Treatment: NONE

Request No.: PR15-0282 Sample Date: 11/17/2015 Sanitarian: KRAKOWSKI Field No.: 366-847-15-11-17

Notes: '<' symbol means "less than" indicating  $\underline{no}$  detection.  $\underline{mg/L} = \underline{milligrams}$  per liter;  $\underline{ug/L} = \underline{micrograms}$  per liter. Alkalinity is reported as  $\underline{mg/L}$  as CaCO3. '\*' symbol means level found exceeds the maximum contaminant level (MCL), or action level for lead and copper. Moderately restricted sodium diet should not exceed 270  $\underline{mg/L}$ . Severely restricted should not exceed 20  $\underline{mg/L}$ . The MCL for nickel is a proposed limit. Any MCL's not shown below have not been established.

RESULTS CONTINUED FROM PRECEDING PAGE	Result	MCI	4		Result	MCI	L
	DCANTCC >	nalirand	b. 0.66-11-				
Chlorodifluoromethane	0.5	5.00	ug/L	County Department of Health Services =======		=====	
Dichlorodifluoromethane	0.5	5.00		Ethylbenzene	0.5	5.00	ug/L
Chloroethane	0.5		ug/L	o-Xylene	0.5	5.00	ug/L
Bromomethane	0.5	5.00	ug/L	m & p-Xylene	0.5	5.00	ug/L
Chloromethane		5.00	ug/L	Total Xylenes	0.5	5.00	ug/L
Trichlorofluoromethane	0.5	5.00	ug/L	2-Chlorotoluene	0.5	5.00	ug/L
	0.5	5.00	ug/L	4-Chlorotoluene <	0.5	5.00	ug/L
Vinyl Chloride	0.5	2.00	ug/L	Diethyl Ether <	0.5	50.00	ug/L
Methylene Chloride	0.5	5.00	ug/L	Acrylonitrile <	0.5	5.00	ug/L
1,1 Dichloroethane	0.5	5.00	ug/L	Ethyl Methacrylate <	0.5	50.00	ug/L
trans 1,2 Dichloroethene	0.5	5.00	ug/L	1,3,5 Trimethylbenzene	0.5	5.00	ug/L
Chloroform	0.5	80.00	ug/L	1,2,4 Trimethylbenzene <	0.5	5.00	ug/L
1,2 Dichloroethane <	0.5	5.00	ug/L	1,2 Dichlorobenzene (o)	0.5	5.00	ug/L
1,1,1 Trichloroethane <	0.5	5.00	ug/L	1,3-Dichlorobenzene (m)	0.5	5.00	ug/L
Carbon Tetrachloride	0.5	5.00	ug/L	1,4-Dichlorobenzene (p) <	0.5	5.00	ug/L
1-Bromo-2-Chloroethane	0.5	5.00	ug/L	p-Diethylbenzene <	0.5	5.00	ug/L
1,2 Dichloropropane <	0.5	5.00	ug/L	1,2,4,5 Tetramethylbenzene <	0.5	5.00	ug/L
Trichloroethene	0.5	5.00	ug/L	1,2,4 Trichlorobenzene <	0.5	5.00	3,
Chlorodibromomethane <	0.5	80.00	ug/L	1,2,3 Trichlorobenzene <	0.5	5.00	ug/L
2-Bromo-1-Chloropropane <	0.5	5.00	ug/L	Ethenylbenzene (Styrene)	0.5	5.00	ug/L
Bromoform <	0.5	80.00	ug/L	Isopropylbenzene	0.5		ug/L
cis-1,2-Dichloroethene <	0.5	5.00	ug/L	n-Propylbenzene	0.5	5.00	ug/L
Freon 113 <	0.5	5.00	ug/L	tert-Butylbenzene	0.5	5.00	ug/L
Dibromomethane <	0.5	5.00	ug/L	sec-Butylbenzene	0.5	5.00	ug/L
1,1 Dichloropropene <	0.5	5.00	ug/L	p-Isopropyltoluene		5.00	ug/L
Methyl Isothiocyanate	2.	50.00	ug/L	n-Butylbenzene	0.5 0.5	5.00	ug/L
Carbon Disulfide <	0.5	7.507 303	ug/L	Hexachlorobutadiene		5.00	ug/L
Methyl Methacrylate <	0.5	50.00	ug/L	Methyl-Tert-Butyl-Ether (MTBE)	0.5	5.00	ug/L
Bromodichloromethane <	0.5	80.00	ug/L	Naphthalene	0.5	10.00	ug/L
2,3 Dichloropropene	0.5	5.00	ug/L	1,4-Dichlorobutane		50.00	ug/L
cis-1,3-Dichloropropene <	0.5	5.00	ug/L	Methyl Sulfide	0.5	5.00	ug/L
trans-1,3-Dichloropropene <	0.5	5.00	ug/L	Dimethyldisulfide	0.5	50.00	ug/L
1,1,2 Trichloroethane	0.5	5.00	ug/L	Bromobenzene	0.5	50.00	ug/L
1,1,1,2 Tetrachloroethane	0.5	5.00	ug/L		0.5	5.00	ug/L
1,1,2,2-Tetrachloroethane	0.5	5.00		2-Butanone (MEK)	20.	50.00	ug/L
1,2,3 Trichloropropane	0.5		ug/L	Tetrahydrofuran	20.	50.00	ug/L
2 2 Dighteropropage		5.00	ug/L	Allyl chloride <	0.5	5.00	ug/L
2,2 Dichloropropane	0.5	5.00	ug/L	Methacrylonitrile <	0.5	5.00	ug/L
1,3 Dichloropropane < Bromochloromethane <	0.5	5.00	ug/L	d-Limonene <	0.5	50.00	ug/L
Benzene	0.5	5.00	ug/L	Propanal <	15.	50.00	ug/L
	0.5	5.00	ug/L	Isobutane <	2.	50.00	ug/L
Toluene	0.5	5.00	ug/L	n-Butane <	2.	50.00	ug/L
Chlorobenzene <	0.5	5.00	ug/L				0.70

Requestor Name: JOHN C. EHLERS LAND SURVEYOR

Location: ORCHARD STREET, ORIENT Sample Location: S-133850T W#1

Treatment: NONE

Request No.: PR15-0282 Sample Date: 11/17/2015 Sanitarian: KRAKOWSKI Field No.: 367-847-15-11-17

Notes: '<' symbol means "less than" indicating no detection. mg/L = milligrams per liter; ug/L = micrograms per liter. Alkalinity is reported as mg/L as CaCO3. '\*' symbol means level found exceeds the maximum contaminant level (MCL), or action level for lead and copper. Moderately restricted sodium diet should not exceed 270 mg/L. Severely restricted should not exceed 20 mg/L. The MCL for nickel is a proposed limit. Any MCL's not shown below have not been established.

	Resul	t MCI				Resul	t MC	L
===== Results for Sample Group: ALDICARB	PESTICIDE	S analyze	ed by St	uffolk	County Department of Health Services =====	=======		-
Total Aldicarb (calc)	0.		ug/L		Carbaryl <	0.5	50.00	ug/L
Aldicarb <	100000000000000000000000000000000000000	3.00	ug/L		1-Naphthol <	0.5	50.00	
Aldicarb-Sulfoxide <		4.00	ug/L		Methomyl <	0.5	50.00	ug/L
Aldicarb-Sulfone <		2.00	ug/L		Propoxur (Baygon)	0.5	50.00	
Carbofuran <	0.5	40.00	ug/L		Methiocarb	0.5	50.00	
3-Hydroxycarbofuran <	0.5	50.00	ug/L		Methiocarb sulfone	0.5	50.00	J.,
Oxamy1 <	0.5	50.00	ug/L		3 13223 2222347111111111111111111111111111111111	0.5	50.00	ug/L
==== Results for Sample Group: CHLORINAT		CIDES anal	yzed by	y Suff	olk County Department of Health Services ===	### <b>#</b>		
alpha-BHC <	0.2	5.00	ug/L		4,4-DDD	0.2	5.00	uq/L
beta-BHC <		5.00	ug/L		4,4-DDT	0.2	5.00	ug/L
gamma-BHC (Lindane) <		0.20	ug/L		Endrin <	0.01	2.00	100000
delta-BHC <	0.2	5.00	ug/L		Chlordane <	0.2		ug/L
Heptachlor <		0.40	ug/L		Alachlor	0.2	2.00	ug/L
Heptachlor epoxide <		0.20	ug/L		Methoxychlor	0.1	40.00	ug/L
Aldrin <	0.2	5.00	ug/L		Endosulfan II	0.2		ug/L
Dieldrin <	0.2	50.00	ug/L		Endosulfan Sulfate	0.2	5,00	ug/L
Endosulfan I <	0.2	5.00	ug/L		1,2-dibromoethane		50.00	ug/L
Dacthal <	0.2	50.00	ug/L		1,2-dibromo-3-chloropropane	0.01	0.05	ug/L
4,4-DDE <	0.2	50.00	ug/L		1/2 dibiomo 3 chioropropane	0.02	0.20	ug/L
	**		-3/2					
===== Results for Sample Group: DACTHAL P.	ESTICIDES	analyzed	by Suf	Efolk (	County Department of Health Services ======			
Monomethyltetrachloroterephthalate <	5.	50.00	ug/L		Tetrachloroterephthalic acid	5.	50.00	/-
								ug/L
===== Results for Sample Group: DIOXANE as	nalyzed b	y Suffolk	County	/ Depai	rtment of Health Services ========			
1,4-Dioxane <	0.2	50.00	ug/L	-	32,1200			
*								
===== Results for Sample Group: HERBICIDE	METABOLI	TES analy	zed by	Suffo	lk County Department of Health Services ====			
Didealkylatrazine (G-28273) <	0.8	50.00	ug/L		Metolachlor	0.2		/T
Deisopropylatrazine (G-28279) <	0.2	50.00	ug/L		Tebuthiuron	0.3	50.00	ug/L
Desethylatrazine (G-30033) <	0.4	50.00	ug/L		Caffeine		50.00	ug/L
Imidacloprid <	0.2	50.00	ug/L		Dinoseb	0.2	50.00	ug/L
Imidacloprid Urea	0.2	50.00	ug/L		Bisphenol A	0.3	7.00	ug/L
Alachlor OA (Oxanilic Acid)	0.4	50.00	ug/L		Diuron	0.2	50.00	ug/L
Alachlor ESA (Sulfonic Acid) <	0.2	50.00	ug/L			0.2	50.00	ug/L
Metolachlor metabolite (CGA-37735) <	0.2	50.00	ug/L		Phenytoin (Dilantin)	0.2	50.00	ug/L
Metolachlor OA (CGA-51202)	0.3	50.00	_		4-Hydroxyphenytoin	0.5	50.00	ug/L
Metolachlor ESA (CGA-354743)	0.3		ug/L		Diethyltoluamide (DEET)	0.2	50.00	ug/L
Metolachlor metabolite (CGA-41638) <	0.3	50.00	ug/L		Acetaminophen	0.2	50.00	ug/L
Metolachlor metabolite (CGA-40172) <	0.3	50.00	ug/L		Bisphenol B	0.2	50.00	ug/L
Metolachlor metabolite (CGA-401/2/ <	0.3	50.00	ug/L		Estrone	0.2	50.00	ug/L
2-HydroxyAtrazine (G-34048)		50.00	ug/L		17 alpha Ethynylestradiol	0.5	50.00	ug/L
Malaoxon	0.3	50.00	ug/L		Diethylstilbestrol	0.5	50.00	ug/L
Trichlorfon	0.2	50.00	ug/L		17 beta Estradiol	0.5	50.00	ug/L
Siduron	0.3	50.00	ug/L		4-Androstene-3,17-dione	2.	50.00	ug/L
	0.3	50.00	ug/L		Picaridin <	2.	50.00	ug/L
Dichloryos	0.6	50.00	ug/L		Propachlor ESA <	0.2	50.00	ug/L
Propamocarb hydrochloride	0.3	50.00	ug/L		Propachlor OA	0.3	5.00	ug/L
2,6-Dichlorobenzamide	0.5	50.00	ug/L		Testosterone	0.3	50.00	ug/L
Ibuprofen	0.2	50.00	ug/L		Equilin <	0.7	50.00	ug/L
Gemfibrozil	0.4	50.00	ug/L		Estriol <	0.7	50.00	ug/L
Metalaxyl =	0.2	50.00	ug/L				POOR CONTRACTOR	. 3.
Pagulta for Co. 1 - 2				Miles Males Property				
==== Kesults for Sample Group: METALS and	lyzed by	Suffolk		Depart	ment of Health Services ============	======	======	
Lithium	1.	20 S2000	ug/L		Cadmium (Cd) <	1.	5.00	ug/L
Beryllium (Be)	0.2	4.00	ug/L		Tin <	0.5		ug/L
Aluminum (Al)	5.		ug/L		Antimony (Sb)	0.2	6.00	ug/L
Titanium (Ti)	1.	20	ug/L		Tellurium	0.5		ug/L
Vanadium (V) <	1.		ug/L		Barium (Ba) =	31.	2000.00	ug/L
Chromium (Cr)	1.	100.00	ug/L		Mercury (Hg)	0.3	2.00	ug/L
Manganese (Mn) =	0.005	0.30	mg/L		Thallium (Tl)	0.2	2.00	ug/L
Cobalt (Co)	1.		ug/L		Lead (Pb)	1.	15.00	ug/L
Nickel (Ni) <	0.2	100.00	ug/L		Thorium (Th)	2.	20.00	ug/L
Copper (Cu)	5.	1300.00	ug/L		Uranium	0.5	30.00	ug/L
Zinc (Zn) <	5.	5000.00	ug/L		Calcium =	12.2	50.00	mg/L
Germanium <	2.5		ug/L		Iron (Fe)	0.1	0.30	mg/L
Arsenic (As) <	1.	10.00	ug/L		<pre>Iron + Manganese (Combined, Calc) =</pre>	0.005	0.50	mg/L
Selenium (Se) <	1.		ug/L		Potassium =	3.9	0.50	mg/L
Strontium =	94.		ug/L		Magnesium	3.1		
Molybdenum (Mo) <	1.		ug/L		Sodium (Na)	24.		mg/L
Silver (Ag) <	2.5	100.00				41.		mg/L

A-84

Requestor Name: JOHN C. EHLERS LAND SURVEYOR Location: ORCHARD STREET, ORIENT Sample Location: S-133850T W#1 Treatment: NONE

Request No.: PR15-0282 Sample Date: 11/17/2015 Sanitarian: KRAKOWSKI Field No.: 367-847-15-11-17

Notes: '<' symbol means "less than" indicating no detection. mg/L = milligrams per liter; ug/L = micrograms per liter. Alkalinity is reported as mg/L as CaCO3. '\*' symbol means level found exceeds the maximum contaminant level (MCL), or action level for lead and copper. Moderately restricted sodium diet should not exceed 270 mg/L. Severely restricted should not exceed 20 mg/L. The MCL for nickel is a proposed limit. Any MCL's not shown below have not been established.

RESULTS CONTINUED FROM PRECEDING PAGE	Resul	_	_		Result	MC	L
===== Results for Sample Group: RADIOLOGI	CAL analy	zed by Si	uffolk	County Department of Health Services =========	========	=====	
31055 aipha <	1.	15.00	pCi/L	Tritium <	200	20000	201
Gross beta=	3.4	50.00	pCi/L		200.	20000	pCi
==== Results for Sample Group: STANDARD	INORGANIC	S analyze	ed by S	uffolk County Department of Health Services =====			
H-Lab =	6.4		su	Nitrate			
Specific Conductivity-Lab =	234.		um/cm	Bromide	3.7	10.00	-
hloride (Cl) =	34.	250.00	mg/L	Orthophoephate	0.5		mg
ulfate (SO4) =		250.00	mg/L	Orthophosphate	0.5		mg
mmonia (NH3-N) <		250.00	mg/L	Fluoride	0.2	2.20	mg
itrite (NO2-N)		1.00		T. Alkalinity =	15.		mg
			7574				
==== Results for Sample Group: SEMI-VOLA	TILE ORGA	NICS METH	IOD 525	analyzed by Suffolk County Department of Health S	ervices ==		
Acceptable are in a second and a second are in	0.2	50.00	ug/L	Endosulfan Sulfate <	0.2	50.00	uo
Methylnapthalene <		50.00	ug/L	EPTC	0.2	50.00	ug
enaphthene	0.2	50.00	ug/L	Ethofumesate <	0.2	50.00	uo
enaphthylene	0.2	50.00	ug/L	Ethyl Parathion	0.2	50.00	ug
etochlor <	0.2	50.00	ug/L	Fluoranthene	0.2	50.00	uc
achlor <	0.2	2.00	ug/L	Fluorene <	0.2	50.00	uc
lethrin <	0.2	50.00	ug/L	Hexachlorobenzene <	0.1	1.00	9505
hracene <	0.5	50.00	ug/L	Hexachlorocyclopentadiene	0.1	5.00	ug
azine <	0.1	3,00	ug/L	Hexachloroethane	1.		u
oxystrobin <	0.2	50.00	ug/L	Hexazinone		5.00	u
fluralin <	0.5	50.00	ug/L	Indeno(1,2,3-cd)Pyrene	1.	50.00	u
zo(A)Anthracene	0.5	50.00	ug/L		0.2	50.00	ug
nzo(B)Fluoranthene	0.2	50.00	ug/L	Iodofenphos	0.2	50.00	u
zo(GHI)Perylene	0.2	50.00	0.	Iprodione	0.5	50.00	ug
zo(K)Fluoranthene	0.2		ug/L	Isofenphos	0.5	50.00	u
zo(A) Pyrene		50.00	ug/L	Kelthane	0.5	50.00	u
zophenone	0.02	0.20	ug/L	Malathion <	0.5	50.00	u
zzyl butyl shthalate	0.2	50.00	ug/L	Metalaxyl =	0.2	50.00	uc
zyl butyl phthalate	0.2	50.00	ug/L	Methoprene	0.2	50.00	uc
(2-ethylhexyl)adipate	0.5	50.00	ug/L	Methoxychlor	0.1	50.00	u
(2-ethylhexyl)phthalate	3.	6.00	ug/L	Methyl Parathion <	0.2	50.00	uc
phenol A <	0.5	50.00	ug/L	Metolachlor <	0.2	50.00	u
C <	0.2	50.00	ug/L	Napropamide <	0.2	50.00	ug
macil <	0.5	50.00	ug/L	Pendimethalin	0.2		
achlor <	0.2	50.00	ug/L	Pentachlorobenzene	0.2	5.00	uc
bamazepine <	0.5	50.00	ug/L	Pentachloronitrobenzene		50.00	uç
bazole <	0.2	50.00	ug/L	Permethrin	0.2	50.00	uc
isoprodol <	0.5	50.00	ug/L	Phenanthrene	0.2	50.00	ug
ordane <	0.2	2.00	ug/L		0.2	50.00	uç
orofenvinphos <	0.2	50.00	ug/L	Piperonyl butoxide	0.5	50.00	ug
orothalonil <	1.	50.00	ug/L	Prometon	0.5	50.00	uç
oroxylenol	0.2	50.00	377.800	Prometryne	0.2	50.00	uç
orpyriphos	0.2		ug/L	Propachlor	0.2	50.00	ug
ysene	0.2	50.00	ug/L	Propiconazole (Tilt)	0.2	50,00	ug
luthrin		50.00	ug/L	Pyrene <	0.5	50.00	ug
numer had a	0.2	50.00	ug/L	Resmethrin <	0.2	50.00	ug
ermethrin<	0.5	50.00	ug/L	Ronstar <	0.2	50.00	uq
thal <	0.2	50.00	ug/L	Simazine <	0.07	4.00	ug
amethrin	0.5	50.00	ug/L	Sumithrin	0.2	50.00	ug
enzo(A,H)Anthracene	0.2	50.00	ug/L	Tebuthiuron	0.5	50.00	ug
atyl Phthalate <	1.	50.00	ug/L	Terbacil	0.5	50.00	ug
hlobenil <	0.2	50.00	ug/L	Triadimefon	0.5		-
hlorvos <	0.5	50.00	ug/L	Triclosan		50.00	ug
ldrin <	0.2	50.00	ug/L	Trifluralin	0.5	50.00	ug
thyl phthalate	1.	50.00	ug/L	Vinclosolin	0.5	50.00	ug
thyltoluamide (DEET)			1300 700 71	Vinclozolin	0.5	50.00	ug
ethyl phthalate	0.2	.50.00	ug/L	Total Triazines + Metabolites (Calc) <	0.	4.00	ug,
ctvl Dhthalate	0.2	50.00	ug/L	Etofenprox <	0.2	50.00	ug
ctyl Phthalate <	0.2	50.00	ug/L	Etofenprox alpha-CO <	0.2	50.00	ug/
ulfoton sulfone	0.5	50.00	ug/L	Prallethrin	0.2	50.00	ug/
ULLOLOU SULTONA	0.2	50.00	ug/L		2007/48/00	THE PROPERTY OF	-3/

A-85

Requestor Name: JOHN C. EHLERS LAND SURVEYOR Location: ORCHARD STREET, ORIENT Sample Location: S-133850T W#1

Treatment: NONE

Request No.: PR15-0282 Sample Date: 11/17/2015 Sanitarian: KRAKOWSKI Field No.: 367-847-15-11-17

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	Resul	Lt MCI	L)		Result	MOT	
RESULTS CONTINUED FROM PRECEDING PAGE		4				MCI	_
===== Results for Sample Group: VOLATILE C	RGANICS	analyzed	by Suffolk	County Department of Health Services ======			
CHIOLOGILLUOLOMECHAME	0.5	5.00	ug/L	Ethylbenzene	0.5		
Dichlorodifluoromethane <	0.5	5.00	ug/L	o-Xylene <	0.5	5.00	ug/L
Chloroethane <	0.5	5.00	ug/L	m & p-Xylene	0.5	5.00	ug/L
Bromomethane <	0.5	5.00	ug/L	Total Xylenes	0.5	5.00	ug/L
Chloromethane <	0.5	5.00	ug/L	2-Chlorotoluene	0.5	5.00	ug/L
Trichlorofluoromethane <	0.5	5.00	ug/L	4-Chlorotoluene	0.5	5.00	ug/L
Vinyl Chloride <	0.5	2.00	ug/L	Diethyl Ether	0.5	5.00	ug/L
Methylene Chloride <	0.5	5.00	ug/L	Acrylonitrile	0.5	50.00	ug/L
1,1 Dichloroethane <	0.5	5.00	ug/L	Ethyl Methacrylate	0.5	5.00	ug/L
trans 1,2 Dichloroethene <	0.5	5.00	ug/L	1,3,5 Trimethylbenzene	0.5	50.00	ug/L
Chloroform <	0.5	80.00	ug/L	1,2,4 Trimethylbenzene	0.5	5.00	ug/L
1,2 Dichloroethane	0.5	5.00	ug/L	1,2 Dichlorobenzene (o)	0.5	5.00	ug/L
1,1,1 Trichloroethane <	0.5	5.00	ug/L	1,3-Dichlorobenzene (m)		5.00	ug/L
Carbon Tetrachloride	0.5	5.00	ug/L	1,4-Dichlorobenzene (p)	0.5	5.00	ug/L
1-Bromo-2-Chloroethane <	0.5	5.00	ug/L	p-Diethylbenzene	0.5	5.00	ug/L
1,2 Dichloropropane <	0.5	5.00	ug/L	1,2,4,5 Tetramethylbenzene	0.5	5.00	ug/L
Trichloroethene	0.5	5.00	ug/L	1,2,4 Trichlorobenzene	0.5	5.00	ug/L
Chlorodibromomethane <	0.5	80.00	ug/L	1,2,3 Trichlorobenzene	0.5	5.00	ug/L
2-Bromo-1-Chloropropane <	0.5	5.00	ug/L	Ethenylbenzene (Styrene)	0.5	5.00	ug/L
Bromoform	0.5	80.00	ug/L	Toopropy bonness	0.5	5.00	ug/L
cis-1,2-Dichloroethene	0.5	5.00	ug/L	Isopropylbenzene	0.5	5.00	ug/L
Freon 113 <	0.5	5.00	ug/L	n-Propylbenzene	0.5	5.00	ug/L
Dibromomethane	0.5	5.00	ug/L	tert-Butylbenzene	0.5	5.00	ug/L
1,1 Dichloropropene	0.5	5.00	ug/L	sec-Butylbenzene	0.5	5.00	ug/L
Methyl Isothiocyanate	2.	50.00	ug/L	p-Isopropyltoluene	0.5	5.00	ug/L
Carbon Disulfide	0.5	30.00	ug/L	n-Butylbenzene	0.5	5.00	ug/L
Methyl Methacrylate	0.5	50.00	ug/L	Hexachlorobutadiene	0.5	5.00	ug/L
Bromodichloromethane	0.5	80.00	ug/L	Methyl-Tert-Butyl-Ether (MTBE)	0.5	10.00	ug/L
2,3 Dichloropropene	0.5	5.00	ug/L ug/L	Naphthalene	0.5	50.00	ug/L
cis-1,3-Dichloropropene	0.5	5.00	ug/L	1,4-Dichlorobutane	0.5	5.00	ug/L
trans-1,3-Dichloropropene	0.5	5.00	ug/L	Methyl Sulfide	0.5	50.00	ug/L
1,1,2 Trichloroethane	0.5	5.00	ug/L	Dimethyldisulfide	0.5	50.00	ug/L
1,1,1,2 Tetrachloroethane	0.5	5.00		Bromobenzene	0.5	5.00	ug/L
1,1,2,2-Tetrachloroethane	0.5	5.00	ug/L	2-Butanone (MEK) <	20.	50.00	ug/L
1,2,3 Trichloropropane	8/4/2		ug/L	Tetrahydrofuran	20.	50.00	ug/L
2,2 Dichloropropane	0.5	5.00	ug/L	Allyl chloride <	0.5	5.00	ug/L
1 2 Dighloropropage	0.5	5.00	ug/L	Methacrylonitrile<	0.5	5.00	ug/L
1,3 Dichloropropane	0.5	5.00	ug/L	d-Limonene <	0.5	50.00	ug/L
	0.5	5.00	ug/L	Propanal <	15.	50.00	ug/L
Benzene < Toluene <	0.5	5.00	ug/L	Isobutane <	2.	50.00	ug/L
Chlorobenzene	0.5	5.00	ug/L	n-Butane <	2.	50.00	ug/L
CITTOT ODGITZERE	0.5	5.00	ug/L				